

Solving Quadratic Equations (D)

Name: _____

Date: _____

Solve each equation for x.

1. $x^2 + 11x + 18 = 0$

11. $x^2 + 4x + 3 = 0$

2. $x^2 + x - 72 = 0$

12. $x^2 - 2x - 24 = 0$

3. $x^2 + 15x + 56 = 0$

13. $x^2 + 7x - 8 = 0$

4. $x^2 - 10x + 9 = 0$

14. $x^2 + x - 30 = 0$

5. $x^2 + 13x + 36 = 0$

15. $x^2 + 10x + 9 = 0$

6. $x^2 - 6x - 27 = 0$

16. $x^2 - 36 = 0$

7. $x^2 - 11x + 24 = 0$

17. $x^2 + 4x - 45 = 0$

8. $x^2 - 6x + 8 = 0$

18. $x^2 + 4x - 21 = 0$

9. $x^2 + 11x + 30 = 0$

19. $x^2 - 9x + 14 = 0$

10. $x^2 + 8x - 9 = 0$

20. $x^2 + 2x - 15 = 0$

Solving Quadratic Equations (D) Answers

Name: _____

Date: _____

Solve each equation for x.

1. $x^2 + 11x + 18 = 0$
 $(x + 2)(x + 9) = 0$
 $x = -2, -9$

2. $x^2 + x - 72 = 0$
 $(x - 8)(x + 9) = 0$
 $x = 8, -9$

3. $x^2 + 15x + 56 = 0$
 $(x + 7)(x + 8) = 0$
 $x = -7, -8$

4. $x^2 - 10x + 9 = 0$
 $(x - 1)(x - 9) = 0$
 $x = 1, 9$

5. $x^2 + 13x + 36 = 0$
 $(x + 4)(x + 9) = 0$
 $x = -4, -9$

6. $x^2 - 6x - 27 = 0$
 $(x - 9)(x + 3) = 0$
 $x = 9, -3$

7. $x^2 - 11x + 24 = 0$
 $(x - 8)(x - 3) = 0$
 $x = 8, 3$

8. $x^2 - 6x + 8 = 0$
 $(x - 2)(x - 4) = 0$
 $x = 2, 4$

9. $x^2 + 11x + 30 = 0$
 $(x + 5)(x + 6) = 0$
 $x = -5, -6$

10. $x^2 + 8x - 9 = 0$
 $(x - 1)(x + 9) = 0$
 $x = 1, -9$

11. $x^2 + 4x + 3 = 0$
 $(x + 3)(x + 1) = 0$
 $x = -3, -1$

12. $x^2 - 2x - 24 = 0$
 $(x + 4)(x - 6) = 0$
 $x = -4, 6$

13. $x^2 + 7x - 8 = 0$
 $(x - 1)(x + 8) = 0$
 $x = 1, -8$

14. $x^2 + x - 30 = 0$
 $(x - 5)(x + 6) = 0$
 $x = 5, -6$

15. $x^2 + 10x + 9 = 0$
 $(x + 9)(x + 1) = 0$
 $x = -9, -1$

16. $x^2 - 36 = 0$
 $(x + 6)(x - 6) = 0$
 $x = -6, 6$

17. $x^2 + 4x - 45 = 0$
 $(x - 5)(x + 9) = 0$
 $x = 5, -9$

18. $x^2 + 4x - 21 = 0$
 $(x + 7)(x - 3) = 0$
 $x = -7, 3$

19. $x^2 - 9x + 14 = 0$
 $(x - 2)(x - 7) = 0$
 $x = 2, 7$

20. $x^2 + 2x - 15 = 0$
 $(x - 3)(x + 5) = 0$
 $x = 3, -5$